HD HOME PROJECTOR
Epson MG-850HD

EPSON
EXCEED YOUR VISION

Impressive. Immersive. Integrated.

The World's First HD Projector for your Apple® Mobile Devices.

3LCD

WORLD's No.1 PROJECTORS
10 Years Running*
2001-2010

*Source: Futuresource Consulting

With a dedicated dock for your portable Apple device, this versatile projector also harnesses Epson's latest 3LCD technology to deliver impeccable, high-quality images for superb presentations and movies for home entertainment.

- **Full iPod/iPhone/iPad compatibility**
  With easy activation of the projector, getting your movies, songs or presentations up and running quickly is as simple as plugging in your Apple device via the built-in dock
- **Versatility of use**
  With the first-ever sliding horizontal keystone adjuster and the automatic vertical keystone detector and adjustment, presentation set-up is made fast and easy, even for beginners
- **Automated image adjustments**
  With ambient light detectors intelligently adjusting levels of brightness and color, you get impressive movie and video reproductions every time

Made for iPod iPhone iPad

Epson Revolutionizes Projector Market with 3LCD Technology and Leads as World's No.1* Projector Brand for 10 Consecutive Years!

*** Based on independent research by Futuresource Consulting**

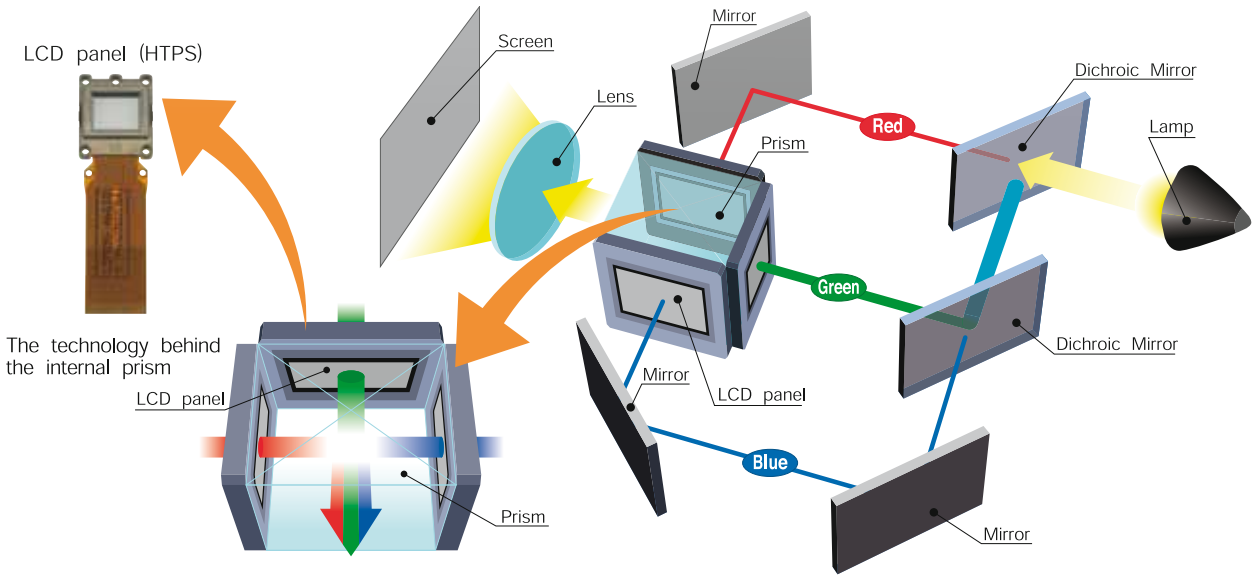
Advantages of 3LCD Projection System

Bright Images and Faithful Color Reproduction

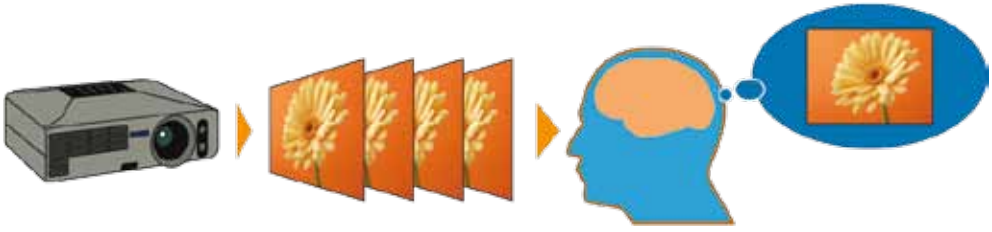
3LCD projectors offer all-time color (Red, Green and Blue) projection thereby ensuring faithful full color reproduction. This is suitable for projection of color intensive images such as videos, photographs and color charts.

Incredible Details

3LCD projectors are able to produce an unparalleled range of grayscale images, which contributes to delivering incredible color images that are smooth and seamless.



3LCD projector : RGB are projected at the same time, which makes the single composite image easy on the eyes.



** HTPS (High Temperature Poly-Silicon) is an active matrix transmissive LCD. It is extremely small and produces high-quality images.

Gentle on the Eyes

3LCD projectors' images do not suffer from color break-up (commonly known as the rainbow effect). The projections are easy on the eyes as you will not be affected by any distorted pattern.

3LCD projectors use 3 separate LCD panels to form a continuous image containing all colors (red, blue and green) ensuring smooth video playback, even for rapid-motion images.

Reliable Technology

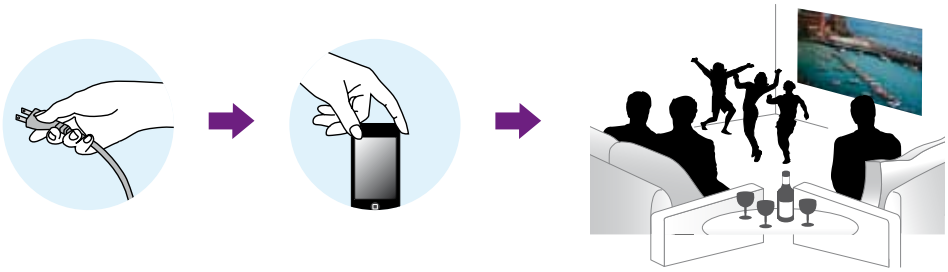
With more than 60 million 3LCD chips shipped to date, the powerful and road-tested 3LCD projection technology is extremely reliable, and is trusted by many throughout to deliver sharp and true-to-life images.

With a dedicated dock for your portable Apple device, this versatile projector also harnesses Epson's latest 3LCD technology to deliver impeccable, high-quality images for superb presentations and movies for home entertainment.

FULL IPOD/IPHONE/IPAD COMPATIBILITY

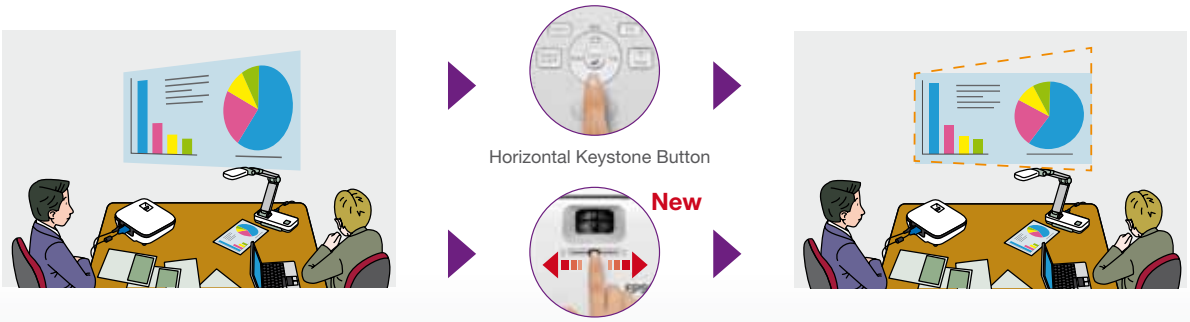
Enjoy a fuss-free experience specifically designed for sharing your presentation slides, photos or videos stored on your Apple device. You can easily access and control playback of your contents using a remote. When you are done, simply lock from your Apple device, so your files remain protected from playback.

Apple devices supported include the original iPad and the iPad 2, all models of the iPhone, the iPod Touch (1st Generation to 4th Generation) and the iPod Nano (3rd Generation to 5th Generation). To enjoy all the features on offer, ensure that your device is running on the latest version of iOS.

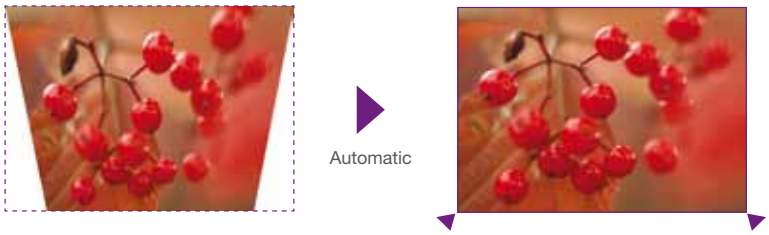


VERSATILITY OF USE

Deliver powerful presentations anywhere in the room. With the easy-to-use sliding Horizontal Keystone Adjuster, screen corrections can be done quickly, easily and accurately, for both beginners and experienced users.



With automatic vertical keystone detection and adjustment, there is no longer any need for awkward and time consuming manual image adjustments that interrupt the smooth flow of your presentation delivery. This handy feature automatically detects the projector's vertical keystone distortion and corrects it instantly.



AUTOMATED IMAGE ADJUSTMENTS

No need to fumble with light switches or bulky curtains to ensure a crisp, clear and bright image for your audience. The MG-850HD automatically measures the levels of ambient light of your environment, adjusting your projected images to optimize individual room conditions.

Brightness	Usage Environment		Transition
	Images	Description	
300 - lx		Daylight viewing	
100 - 300 lx		Daylight viewing with ambient light	
30 - 100 lx		Night-time viewing with ambient light	
0 - 30 lx		Night-time viewing without any light	

PERFECT FOR THE CLASSROOM

With a long-lasting E-TORL lamp providing a brightness of 2800 lumens, a microphone input and a pair of high-powered 10W speakers, MG-850HD is suitable for educational purposes and is even a substitute for a PA system. A direct connection with Epson's ELPDC06 and ELPDC11 document cameras also makes for convenient sharing of any printed teaching materials.

DIRECT USB PLAYBACK FOR PHOTOS

Simply load your photos into any USB thumb drive and plug in to instantly share them on a dazzling 1280x800 WXGA high resolution large display. Virtual paintings may also be projected onto blank walls to serve as interactive, moving decorations for your presentations.

Eco Features

- Equipped with an E-TORL lamp engineered to maximize light usage efficiency
- Uses just 0.3W of power in standby mode
- Projector optics employ lead-free lenses
- Unpainted plastic housing reduces the environment impact
- The flame retardants used in the plastic housing do not contain chlorine or bromine

Better Products for a Better Future™

For more information on Epson's environmental programmes, visit **www.epson.com/environment**

PARTNERS IN PERFECTION

Ultraportable Document Camera ELPDC06

Easily portable; 0.96 kg/2.11 lbs
1.92 megapixels with 15 fps
4x digital zoom
USB powered

Desktop Document Camera ELPDC11

2.2 kg/4.85 lbs
5 megapixels with 30 fps
10x digital zoom
Bundled with microscope adaptor

Interactive Unit ELPIU01

USB powered
Easy interactive function
Simple and easy set-up

Color Light Output

- an easy way to evaluate projector color output

What is Color Light Output?

Color Light Output (CLO) is a specification that provides critical information on a projector's ability to deliver color. Developed by color scientists using the same approach as White Light Output (Brightness) measurement, Color Light Output provides the buyer with additional key information about color.

Does Brightness measure color?

No. Current product specifications such as Brightness (or White Light Output), Contrast Ratio and Resolution give no information regarding a projector's ability to reproduce color. The existing Brightness specification only measures the total amount of White Light projected. It does not measure color – in fact, many manufacturers artificially boost brightness by adding white light, which dilutes the projector's color brightness.

Why is Color Light Output important?

Color Light Output is critically important because it measures the brightness of Red, Green and Blue. Red, Green and Blue create white when combined in the right proportions. They also comprise the input signal that tells your projector how to reproduce color images. Beautifully balanced color is possible when bright Red, Green and Blue combine to produce the brightness equal to White. Color Light Output provides users with an additional way to evaluate a projector and make more discerning buying decisions.

Is Color Light Output the same in all projectors?

No. There are vast differences in the Color Light Output of projectors on the market today. Look at the images below from two competing projectors

3LCD Projector

Image #1*

Image #2*

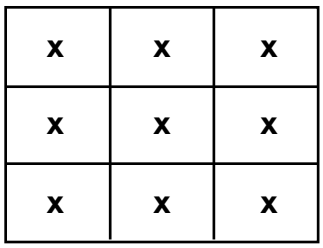
Brand X

Image #1*

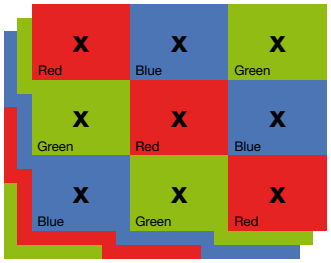
Image #2*

Color Light Output specification describes the difference in color between these two projectors.

How is Color Light Output measured?



Brightness (or White Light Output) measures the total amount of white light projected in lumens on a nine point grid. It does not measure color.

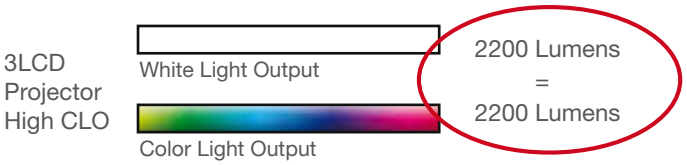


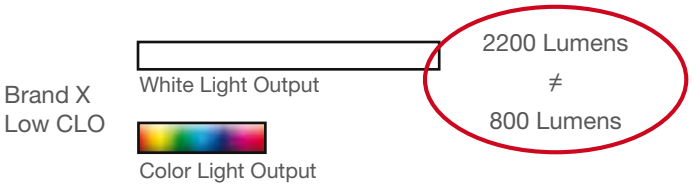
Color Light Output uses 3 sets of a nine-point grid to measure the primary colors - red, green and blue, using the same approach used to measure White Light Output in lumens.

How should Color Light Output be used?

Color Light Output should be used with White Light Output to provide insight into a projector's overall picture quality. Two things to remember:

1. Select High Color Light Output.
2. Make sure the Color Light Output equals the White Light Output.





When selecting a projector, ask for the Color Light Output measurement.

* Actual photographs of images produced by 2 competing projectors run in default mode. Price, Resolution and Brightness (White Light Output) are the same for both projectors.

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3LCD

MG-850HD

SPECIFICATIONS

SUPPLIED ACCESSORIES

Power Cable	3m, 3 Wire (Black)
Remote Control	Yes (Black) with battery attached
iPad Bracket	Attached
User's Manual Set	Attached

OPTIONAL ACCESSORIES

Spare Lamp	ELPLP67
Air Filter	ELPAF37

PERIPHERALS

Portable USB Document Camera	ELPDC06
Desktop Document Camera	ELPDC11

MG-850HD Back Connector Panel

MG-850HD Side Connector Panel

MODEL NUMBER		MG-850HD
PROJECTION TECHNOLOGY		RGB liquid crystal shutter projection system (3LCD)
SPECIFICATION OF MAIN PARTS		
LCD	SIZE	0.59" without MLA (D8)
	NATIVE RESOLUTION	720p (1280 x 800)
PROJECTION LENS	TYPE	Optical Zoom (Manual) / Focus (Manual)
	F-NUMBER	1.58 - 1.72
	FOCAL LENGTH	16.9mm - 20.28mm
	ZOOM RATIO	1 - 1.2
	THROW RATIO	1.30 - 1.56 (Wide - Tele)
LAMP	TYPE	200W UHE (E-TORL)
	LIFE (NORMAL/ECO)	4,000 hours / 5,000 hours
SCREEN SIZE (PROJECTED DISTANCE)		33" - 318" [0.9m - 9.0m] (Zoom: Wide) 33" - 317" [1.08m - 10.8m] (Zoom: Tele)
BRIGHTNESS		
COLOR LIGHT OUTPUT (NORMAL)		2,800lm
WHITE LIGHT OUTPUT (NORMAL)		2,800lm
CONTRAST RATIO		
AUTO IRIS: ON		3,000:1
VIDEO QUALITY		3D Y/C separation, Noise Reduction Motion compensated Interlace-Progressive conversion (2 - 2, 3 - 2 film detection)
SUPPORTED VIDEO SIGNAL		480i / 576i / 480p / 576p / 720p / 1080i NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM
COLOR MODE		Auto, Dynamic, Living, Cinema, Game
INTERNAL SPEAKER(S)		
SOUND OUTPUT		10W x 2
KEYSTONE CORRECTION		
VERTICAL/HORIZONTAL ANGLE		±30° / ±30° (Slider)
AUTO KEYSTONE CORRECTION		Yes (Vertical: ±30°)
CONNECTIVITY		
ANALOG INPUT	D-SUB 15PIN	1 (Blue)
VIDEO INPUT	COMPONENT	RCA x 3 (Red / Green / Blue)
	COMPOSITE	RCA x 1 (Yellow)
	S-VIDEO	N/A
DIGITAL INPUT	HDMI	1 (support HDCP)
AUDIO INPUT	RCA (WHITE/RED)	1 pair
	STEREO MINI-JACK	N/A
OTHERS	USB TYPE A	1 (USB Memory, ELPDC06)
	USB TYPE B	1 (USB Display / Mouse / Control)
	MICROPHONE INPUT	1 x Stereo Mini-Jack
	IPOD DOCK CONNECTOR	Yes
OPERATING TEMPERATURE		5°C - 35°C <41°F - 95°F> (20% - 80% humidity, unfrozen)
OPERATING ALTITUDE		0m - 2,286m <0ft - 7,500ft> (over 1,500m / 4,921ft: with high altitude mode)
DIRECT POWER ON/OFF		Yes
START-UP PERIOD		6 seconds
COOL-DOWN PERIOD		Instant Off
POWER SUPPLY VOLTAGE		100V - 240V AC +/- 10%, 50Hz / 60Hz
POWER CONSUMPTION (220V - 240V)		
LAMP ON (NORMAL/ECO)		303W / 256W
STANDBY		0.3W
DIMENSIONS EXCLUDING FEET (D X W X H)		291mm x 340mm x 115mm (11.46" x 13.39" x 4.53")
WEIGHT		Approx. 3.9kg / 8.60lbs
FAN NOISE (NORMAL/ECO)		29dB / 35dB

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Dealer's Stamp

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